

# A00-211<sup>Q&As</sup>

SAS Base Programming for SAS 9

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## QUESTION 1

Which one of the following SAS DATA steps saves the temporary data set named MYDATA as a permanent data set?

- A. libname sasdata '\\SAS-data-library\\'; data sasdata.mydata; copy mydata; run;
- B. libname sasdata '\\SAS-data-library\\'; data sasdata.mydata; keep mydata; run;
- C. libname sasdata '\\SAS-data-library\\'; data sasdata.mydata; save mydata; run;
- D. libname sasdata '\\SAS-data-library\\'; data sasdata.mydata; set mydata; run;

Correct Answer: D

## QUESTION 2

The following SAS program is submitted:

```
proc freq data = class;
tables gender * age / ;
run;
```

The following report is created:

The FREQ Procedure

Table of gender by age

Row Column

Gender age Frequency Percent Percent Percent

F 11 1 10.00 20.00 50.00

12 2 20.00 40.00 40.00

13 2 20.00 40.00 66.67

Total 5 50.00 100.00

M 11 1 10.00 20.00 50.00

12 3 30.00 60.00 60.00

13 1 10.00 20.00 33.33

Total 5 50.00 100.00

Total 11 2 20.00 100.00

12 5 50.00 100.00

13 3 30.00 100.00

Total 10 100.00

Which option correctly completes the program and creates the report?

A. LIST

B. NOCOLS

C. CROSSLIST D. NOCROSSTAB

Correct Answer: C

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### QUESTION 3

A raw data file is listed below:

RANCH,1250,2,1,Sheppard Avenue,"\$64,000"

SPLIT,1190,1,1,Rand Street,"\$65,850"

CONDO,1400,2,1.5,Market Street,"80,050"

TWOSTORY,1810,4,3,Garris Street,"\$107,250"

RANCH,1500,3,3,Kemble Avenue,"\$86,650"

SPLIT,1615,4,3,West Drive,"94,450"

SPLIT,1305,3,1.5,Graham Avenue,"\$73,650"

The following SAS program is submitted using the raw data file as input:

```
data work.condo_ranch;
```

```
infile "\\file-specification\\" dsd;
```

```
input style $ @;
```

```
if style = '\\CONDO\\' or style = '\\RANCH\\' then
```

```
input sqfeet bedrooms baths street $ price : dollar10.;
```

```
run;
```

How many observations does the WORK.CONDO\_RANCH data set contain?

A. 0

B. 3

C. 5

D. 7

Correct Answer: D

## QUESTION 4

Given the SAS data set WORK.ONE:

Id	Char1
111	A
158	B
329	C
644	D

And the SAS data set WORK.TWO:

Id	Char2
111	E
538	F
644	G

The following program is submitted: What is the first observation in the SAS data set WORK.BOTH?

```
data WORK.BOTH;
  set WORK.ONE WORK.TWO;
  by Id;
run;
```

A.

Id	Char1	Char2
111	A	

B.

Id	Char1	Char2
111		E

C.

Id	Char1	Char2
111	A	E

D.

Id	Char1	Char2
644	D	G

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: C

---

## QUESTION 5

Population is currently at 34,278,400 for country A and is expected to rise at a rate of 2%.

Which DO LOOP will correctly calculate growth rate over the next 10 years beginning in 2012 as shown in the graphic below?

Obs	pop	Year
1	34963968.00	2012
2	35663247.36	2013
3	36376512.31	2014
4	37104042.55	2015
5	37846123.40	2016
6	38603045.87	2017
7	39375106.79	2018
8	40162608.93	2019
9	40965861.10	2020
10	41785178.33	2021

- A. `data PopGrowth;`  
`pop=34278400;`  
`do Year=2012 to 2021;`  
`pop = pop * 1.02;`  
`output;`  
`end;`  
`run;`
- B. `data PopGrowth;`  
`pop=34278400;`  
`Year=2012;`  
`do until (Year=2021);`  
`pop = pop * 1.02;`  
`output;`  
`end;`  
`run;`
- C. `data PopGrowth;`  
`pop=34278400;`  
`do Year=2012 to 2021;`  
`pop = pop * 1.02;`  
`end;`  
`run;`
- D. `data PopGrowth;`  
`pop=34278400;`  
`do Year=2012 - 2021;`  
`pop = pop * 1.02;`  
`output;`  
`end;`  
`run;`

A. B. C. D.

Correct Answer: B

## QUESTION 6

The following output is created by the FREQUENCY procedure:

### The FREQ Procedure

#### Table of region by product

region	product			
Frequency				
Percent				
Row Pct				
Col Pct	corn	cotton	oranges	Total
EAST	2	1	1	4
	22.22	11.11	11.11	44.44
	50.00	25.00	25.00	
	50.00	33.33	50.00	
SOUTH	2	2	1	5
	22.22	22.22	11.11	55.56
	40.00	40.00	20.00	
	50.00	66.67	50.00	
Total	4	3	2	9
	44.44	33.33	22.22	100.00

Which TABLES statement was used to completed the following program that produced the output?

```
proc freq data=sales;
```

```
run;
```

A. tables region product;

B. tables region,product

C. tables region/product;

D. tables region\*product;

Correct Answer: D

---

**QUESTION 7**

Which one of the following is true of the SUM statement in a SAS DATA step program?

- A. It is only valid in conjunction with a SUM function.
- B. It is not valid with the SET, MERGE and UPDATE statements.
- C. It adds the value of an expression to an accumulator variable and ignores missing values.
- D. It does not retain the accumulator variable value from one iteration of the SAS DATA step to the next.

Correct Answer: C

---

**QUESTION 8**

The following SAS program is submitted:

```
data work.totalsales (keep = monthsales{12} );  
set work.monthlysales (keep = year product sales);  
array monthsales {12} ;  
do i=1 to 12;  
    monthsales{i} = sales;  
end;  
run;
```

The data set named WORK.MONTHLYSALES has one observation per month for each of five years for a total of 60 observations.

Which one of the following is the result of the above program?

- A. The program fails execution due to data errors.
- B. The program fails execution due to syntax errors.
- C. The program executes with warnings and creates the WORK.TOTALSALES data set.
- D. The program executes without errors or warnings and creates the WORK.TOTALSALES data set

Correct Answer: B

---

**QUESTION 9**



The following SAS program is submitted:

```
data work.total;

set work.salary(keep = department wageate);

by department;

if first.department

then payroll = 0;

payroll + wageate;

if last.department;

run;
```

The SAS data set named WORKSALARY contains 10 observations for each department, and is currently ordered by DEPARTMENT.

Which statement is true?

- A. The BY statement in the DATA step causes a syntax error.
- B. The statement payroll + wageate; in the DATA step causes a syntax error.
- C. The values of the variable PAYROLL represent the total for each department in the WORK.SALARY data set.
- D. The values of the variable PAYROLL represent a total for all values of WAGERATE in the WORKSALARY data set.

Correct Answer: C

---

#### QUESTION 10

The following SAS program is submitted:

```
data work.total;

set work.salary(keep = department wageate);

by department;

if first.department

then payroll = 0;

payroll + wageate;

if last.department

run;
```

The SAS data set WORK.SALARY, currently ordered by DEPARTMENT, contains 100 observations for

each of 5 departments.

What is the result?

- A. The WORK.TOTAL data set contains 5 observations.
- B. The WORKTDAL data set contains 100 observations.
- C. The WORKTOTAL data set contains 500 observations.
- D. The program fails to execute due to errors.

Correct Answer: A

---

### QUESTION 11

The following SAS program is submitted:

```
proc format;
  value score
    1 - 50 = 'Fail'
    51 - 100 = 'Pass';
run;

proc freq data=WORK.COURSES ;
  table Exam;
  format Exam score.;
run;

The variable Exam has a value of 50.5.
```

How will the Exam variable value be displayed in the FREQ procedure output?

- A. Fail
- B. Pass
- C. 50.5
- D. . (missing numeric value)

Correct Answer: C

---

### QUESTION 12

The following program is submitted:

```
proc sort data=SASUSER.PROJECTS out=PSORT;

by Code descending Date Cost;

run;
```

Which of the following is true concerning the submitted program?

- A. The descending option applies to the variable Code.
- B. The variable Code is sorted by ascending order.
- C. The PSORT data set is stored in the SASUSER library.
- D. The descending option applies to the Date and Cost variables.

Correct Answer: B

---

### QUESTION 13

The SAS data set SASUSER.HOUSES contains a variable PRICE which has been assigned a permanent label of "Asking Price". Which SAS program temporarily replaces the label "Asking Price" with the label "Sale Price" in the output?

- A. `proc print data = sasuser.houses; label price = "Sale Price"; run;`
- B. `proc print data = sasuser.houses label; label price "Sale Price"; run;`
- C. `proc print data = sasuser.houses label; label price = "Sale Price"; run;`
- D. `proc print data = sasuser.houses; price = "Sale Price"; run;`

Correct Answer: C

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### QUESTION 14

The following SAS program is submitted: How many raw data records are read during each iteration of the DATA step?

```
data WORK.INFO;
  infile 'DATAFILE.TXT';
  input @1 Company $20. @25 State $2. @;
  if State=' ' then input @30 Year;
  else input @30 City Year;
  input NumEmployees;
run;
```

- A. 1
- B. 2
- C. 3
- D. 4

Correct Answer: B

---

## QUESTION 15

The following SAS program is submitted:

```
proc means data = sasuser.shoes;  
  
where product in ('Sandal', 'Slipper', 'Boot');  
  
run;
```

Which ODS statements complete the program and send the report to an HTML file?

- A. ods html = 'sales.html'; ods html close;
- B. ods file = 'sales.html'; ods file close;
- C. ods file html = 'sales.html'; ods file close;
- D. ods html file = 'sales.html'; ods html close;

Correct Answer: D

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